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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/032,280	12/21/2001	Rahul Singhvi	H00498/70173 TJO	6387	
23628	7590 11/04/2004		EXAM	EXAMINER	
WOLF GREENFIELD & SACKS, PC			WARE, DE	WARE, DEBORAH K	
FEDERAL RESERVE PLAZA 600 ATLANTIC AVENUE		ART UNIT	PAPER NUMBER		
BOSTON, MA 02210-2211			1651		
			DATE MAILED: 11/04/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

×	Application No.	Applicant(s)				
	10/032,280	SINGHVI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Deborah K. Ware	1651				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tim y within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>12 A</u>	ugust 2004.					
	<u> </u>					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 109,111 and 129-145 is/are pending 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 109,111 and 129-145 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration. r election requirement.					
9) The specification is objected to by the Examine		ad to bu the Evenines				
10) The drawing(s) filed on <u>21 December 2001</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:					

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DETAILED ACTION

Election

Although the election was filed with traverse, Applicants presented no arguments and canceled all non-elected claims and thus, the election is being treated as being without traverse instead. Applicant's election without traverse of Group XV (claims 109-111) in the reply filed on August 12, 2004 is acknowledged.

Claims 109, 111 and newly added claims 129-145 are presented for examination on the merits.

Other Papers

The extension of time filed August 2, 2004 to file election to requirement of April 29, 2004, has been received. The status letter of October 20, 2003, was received. Also Preliminary amendments of December 19, 2002, June 26, 2002 were received. Further, the miscellaneous letter of March 29, 2002 was received. The drawings filed December 21, 2002 are acceptable to the examiner.

Specification

Applicants are requested to update the status of the parent cases at page 1, lines 5-10 of the instantly filed specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the

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art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 109, 111 and 129-145 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The claims fail to be supported for the term "immobilization islands" recited in the claims. The term fails to be properly defined and supported by the instantly filed specification. No where in the specification can support be found for this new term which is deemed new matter. The specification is considered to be non-enabling for the instantly claimed subject matter.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 109, 111 and 129-145 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 109, 111 and 129-145 are rendered vague and indefinite for the recitation of "immobilization islands" which is unclear and not well defined in the claims or the supported by the specification. Also the claims are rendered vague and indefinite for the recitation of "background region" which is unclear as to what constitutes or what is a

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"background region" per se. What exactly is isolating the islands from each other? The metes and bounds of the claims can not be determined.

Claim 131 and 134 and 141-145 lack consistent antecedent basis for the recitation of "the immobilization islands" and should be changed to –the plurality of immobilization islands--.

Claim 136 is rendered grammatically indefinite for the recitation of "of a second population of cells" at bridgining lines 2-3. The "of" should be deleted.

Claims 139-140 lack antecedent basis for the recitation of "The method" since no method is claimed in claim 109. Term "method" should be changed to -device--.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 109, 111 and 129-145 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-13 and 18-20 of U.S. Patent No. 5,776,748. Although the conflicting claims are not identical, they are

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not patentably distinct from each other because the only difference between the patented claims and instant claims is scope.

Claims are drawn to a device comprising a surface and a plurality of immobilization islands.

The US Patent cited herein teaches a device comprising a surface and a plurality of cytophilic islands and cytophobic regions that both function together to adhere cells to form a pattern and further comprise SAMs (self-assembled monolayers).

The claims differ from the US Patent in that immobilization islands are claimed.

It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to use the cytophilic islands and cytophobic regions of the US Patent as immobilization islands. Clearly one of skill would have expected successful results for immobilization and especially since a method of immobilization is taught in claims 18-20. The claims are prima facie obvious over this cited patent.

Claims 109, 111 and 129-145 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-15 and 20 of U.S. Patent No. 5,976,826. Although the conflicting claims are not identical, they are not patentably distinct from each other because other because the only difference between the patented claims and instant claims is scope.

The US Patent cited herein teaches a device comprising a surface and a plurality of cytophilic islands and cytophobic regions that both function together to adhere cells to form a pattern, and further comprise SAMs (self-assembled monolayers).

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It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to use the cytophilic islands and cytophobic regions of the US Patent as immobilization islands. Clearly one of skill would have expected successful results for immobilization and especially since a method of immobilization is taught in claim 20. The claims are prima facie obvious over this cited patent.

Claims 109, 111 and 129-145 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 9-15 of U.S. Patent No. 6,368,838. Although the conflicting claims are not identical, they are not patentably distinct from each other because other because the only difference between the patented claims and instant claims is scope.

Claims are drawn to a device comprising a surface and a plurality of immobilization islands.

The US Patent cited herein teaches a device comprising a surface and a plurality of regions that adhere cells to form a pattern and further comprise SAMs (self-assembled monolayers).

It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to combine cytophilic and cytophobic regions as disclosed by the cited US Patent to provide for immobilization islands. Clearly one of skill would have expected successful results for immobilization since some of the cells would adhere in different places giving the appearance of cellular islands and forming a pattern on the surface. The claims are prima facie obvious over this cited patent.

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All claims fail to be free over the state of the art discussed above and cited on the enclosed PTO-892 and/or PTO-1449. Therefore, the claims are properly rejected.

The remaining references listed on the enclosed PTO-892 and/or PTO-1449 are cited to further show the state of the art.

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah K. Ware whose telephone number is 571-272-0924. The examiner can normally be reached on 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

PATENT EXAMINED Deborah K. Ware October 30, 2004

Business Center (EBC) at 866-217-9197 (toll-free).